

WHAT IS CLAIMED IS:

1. A process for manufacturing a liquid crystal display device including a step of irradiating polarized UV light to an orientation film formed on a substrate, wherein a power of the irradiating polarized UV light is a value less than  $10 \text{ mJ/cm}^2$ .

2. A process for manufacturing a liquid crystal display device according to claim 1, wherein the power of the irradiating polarized UV light is a single digit integer of units of  $\text{mJ/cm}^2$ .

3. A process for manufacturing a liquid crystal display device according to claim 2, wherein the power of the irradiating polarized UV light is  $5 \text{ mJ/cm}^2$ .

4. A process for manufacturing a liquid crystal display device according to claim 1, wherein the power of the irradiating polarized UV light enables heating of the substrate.

5. A process for manufacturing a liquid crystal display device according to claim 1, wherein the UV light is provided by a light source which is at least one of an excimer laser, argon laser, gas laser, solid-state laser, semiconductor laser and pigment laser.

6. A process for manufacturing a liquid crystal display device according to claim 1, wherein the UV light is provided by a light source which is at least one of a high-pressure, middle-pressure and low-pressure mercury arc lamp and a xenon lamp.

7. A process for manufacturing a liquid crystal display device according to claim 4, wherein a stage associated with the substrate enables heating of the substrate.

8. A process for manufacturing a liquid crystal display device according to claim 7, wherein the substrate is carried by the stage which moves while the orientation film is irradiated.

9. A process for manufacturing a liquid crystal display device according to claim 4, wherein the substrate is carried by a stage which moves while the orientation film is irradiated.

10. A process for manufacturing a liquid crystal display device according to claim 1, wherein the irradiating of the polarized UV light is effected in a number of shots of the polarized UV light, the number being less than 100.

11. A process for manufacturing a liquid crystal display device according to claim 10, wherein the number is a two digit number.

12. A process for manufacturing a liquid crystal display device according to claim 10, wherein the power of the irradiating polarized UV light enables heating of the substrate.

13. A process for manufacturing a liquid crystal display device according to claim 10, wherein the UV light is provided by a light source which

is at least one of an excimer laser, argon laser, gas laser, solid-state laser, semiconductor laser and pigment laser.

14. A process for manufacturing a liquid crystal display device according to claim 10, wherein the UV light is provided by a light source which is at least one of a high-pressure, middle-pressure and low-pressure mercury arc lamp and a xenon lamp.

15. A process for manufacturing a liquid crystal display device according to claim 12, wherein a stage associated with the substrate enables heating of the substrate.

16. A process for manufacturing a liquid crystal display device according to claim 14, wherein the substrate is carried by the stage which moves while the orientation film is irradiated.

17. A process for manufacturing a liquid crystal display device according to claim 12, wherein the substrate is carried by a stage which moves while the orientation film is irradiated.